(12) UK Patent Application (19) GB (11) 2 421 800 (13) A

(43) Date of Printing by UK Office 05.07.2006

(21) Application No: **0602354.3**

(22) Date of Filing: **18.06.2004**

(30) Priority Data:
(31) **200333169** (32) **10.07.2003** (33) **NO**

(86) International Application Data:
PCT/NO2004/000181 En 18.06.2004

(87) International Publication Data:
WO2005/006022 En 20.01.2005

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(51) INT CL:
G01V 1/20 (2006.01) **G01V 1/38** (2006.01)
G01V 3/00 (2006.01) **G01V 3/08** (2006.01)
G01V 11/00 (2006.01)

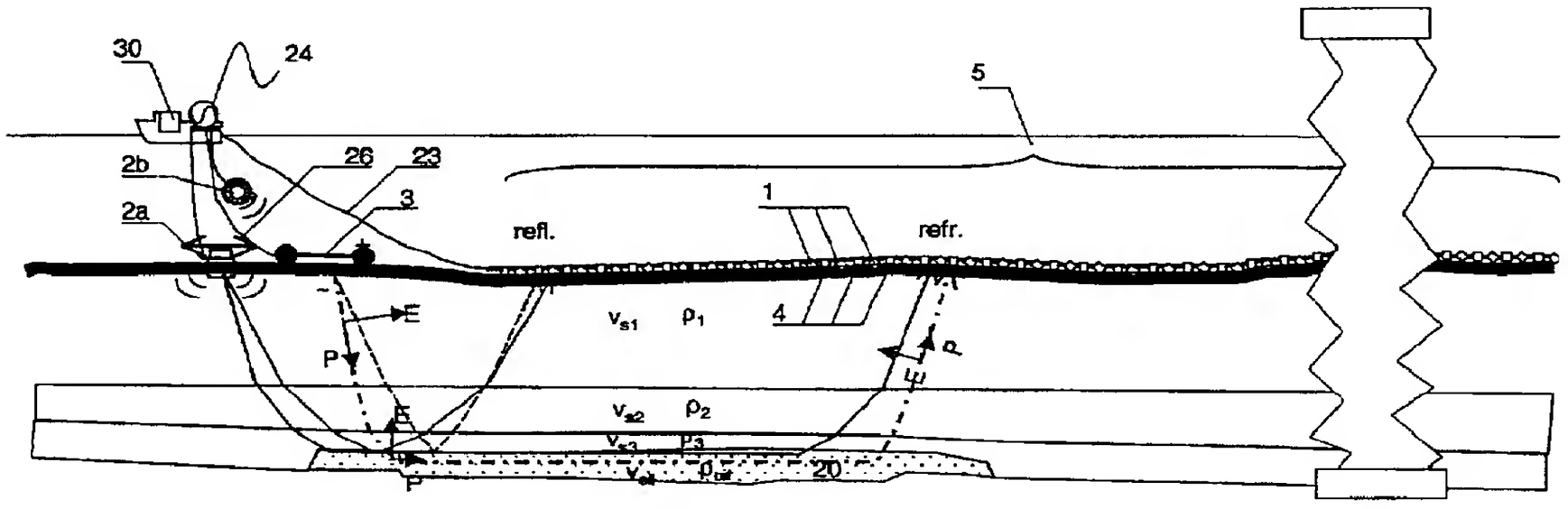
(52) UK CL (Edition X):
G1N NCSA
G1G GMC

(56) Documents Cited by ISA:
WO 1995/024658 A1 **US 5486764 A**
US 4617518 A

(58) Field of Search by ISA:
INT CL **G01V**
Other: **EPO-INTERNAL, WPI, PAJ**

(54) Abstract Title: **Geophysical data acquisition system**

(57) The invention comprises a geophysical sensor apparatus for use under water in the sea, comprising a plurality of seismic sensors (1) for sensing seismic waves associated with underground formations, and a plurality of EM-sensors constituted preferably by electrodes (4) for sensing electromagnetic waves associated with said underground formations. In a preferred receiver cable configuration embodiment of the invention, the geophysical sensor apparatus comprises a seismic receiver cable with a linear array of a plurality of seismic sensors (1) and EM-sensors arranged inside a flexible outer skin (25), with said EM-sensors having electrodes on the outside of said outer skin. The cable is operated on the seafloor by a surface vessel, said vessel towing an electromagnetic transmitter antenna in addition to the seismic source.



GB 2 421 800 A

GB 2421800 A continuation

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